AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph beginning on page 1, line 19, as follows:

According to the present invention there is provided a nitric oxide gas generator which includes a body having a dilution inlet chamber, a chemical mixing chamber, and a dilution outlet ~~chambers~~ chamber. A dilution inlet for diluent gases is provided into the dilution inlet chamber. An inlet is provided to permit entry of the diluent gases into the chemical mixing chamber. An outlet is provided to permit the exit of diluted nitric oxide gas from the chemical mixing chamber to the dilution outlet chamber. A dilution outlet is provided for removal of diluted nitric oxide gas from the dilution outlet chamber. Supports are provided for supporting chemicals to be reacted to produce nitric oxide gas. A heat source is provided to heat the chemical mixing chamber in which chemicals are mixed to initiate a chemical reaction that produces nitric oxide gas.

Please insert the following paragraph on page 2, line 11, as follows:

FIGURE 1A is an end elevation view of a chemical mixture configuration.

Please amend the subsection title on page 2, line 19, as follows:

Existing ~~Patent~~ Method:

Please amend the paragraph beginning on page 2, line 27, as follows:

A new method of preparing nitric oxide which involves heating to a temperature slightly above 300 degrees a dry powdered mixture of potassium nitrite and nitrate, chromic oxide and ferric oxide has been perfected. The nitric oxide so produced contained only a fraction of a per cent of impurity. ~~(see attached photocopy 5993 for complete description)~~

LAW OFFICES OF
CHRISTENSEN O'CONNOR JOHNSON KINDNESS PLLC
1420 Fifth Avenue
Suite 2800
Seattle, Washington 98101
206.682.8100

Please amend the paragraph beginning on page 3, line 4, as follows:

In order to produce reliable ~~quantity~~ quantities of nitric oxide gas, the temperature must be accurately controlled. We shall do this by means of an electronically controlled electric heater and by compressing the chemical mixture into a lifesaver shape, which will allow consistent repeatable heat transfer from the heater to the mixture.

Please amend the paragraph beginning on page 3, line 16, as follows:

An integral ~~beater~~ heater and gas capture vessel (turtle shell) with appropriate fittings will resolve the problem. See ~~drawing~~ FIGURE 1.

Please amend the paragraph beginning on page 3, line 27, as follows:

In order to resolve ~~inconsistency~~ inconsistencies in the chemical mixture, the chemicals will be calcined at 950 degrees Celsius in order to remove the water of hydration and then adequately mixed and compressed into a lifesaver configuration. This will prevent separation of the chemical mixture during transportation, generation of gas, shipping and handling.

Please amend the paragraph beginning on page 4, line 5, as follows:

Dilution [[or]] of pure nitric oxide is achieved by the entrainment of air, nitrogen, oxygen, other inert gases, or any combination thereof into the integral captured gas container. See ~~diagram~~ FIGURE 2.

LAW OFFICES OF
CHRISTENSEN O'CONNOR JOHNSON KINDNESS PLLC
1420 Fifth Avenue
Suite 2800
Seattle, Washington 98101
206.682.8100

Please amend the paragraph beginning on page 4, line 11, as follows:

Impurities in the final product due to potassium nitrite not being of sufficient purity (contains about [[IOVIo]] 10% potassium nitrate) are unacceptable.

Please amend the paragraph beginning on page 4, line 23, as follows:

Construct ~~self contain~~ a self-contained generator (turtle). See ~~drawing 3~~ FIGURE 1.

Please amend the subsection title at page 5, line 30, as follows:

Element 15 – Plumbing and Fittings Including a Dilution Inlet

Please amend the subsection title on page 6, line 3, as follows:

Element [[16B]] 16A – Turtle Inlet

Please amend the subsection title on page 6, line 12, as follows:

Element ~~16B~~ 15B – Dilution Outlet

Please insert the following new subsection title and description beginning on page 6, line 16:

Element 16B – Turtle Outlet

Description – Allows diluent to exit the chemical mixing chamber (turtle).

A replacement abstract showing the changes made is appended hereto as a separate page. No new material has been added.

LAW OFFICES OF
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1420 Fifth Avenue
Suite 2800
Seattle, Washington 98101
206.682.8100